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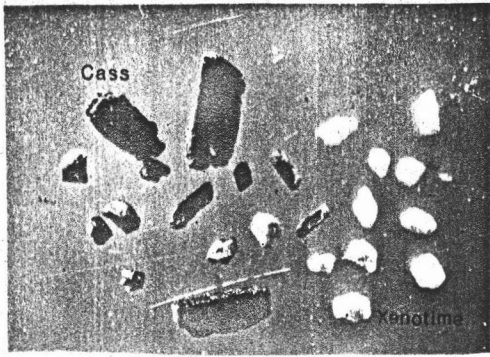
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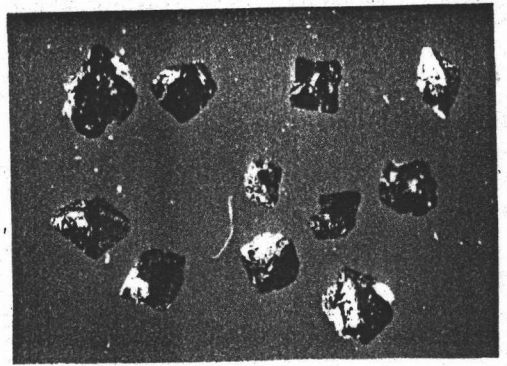
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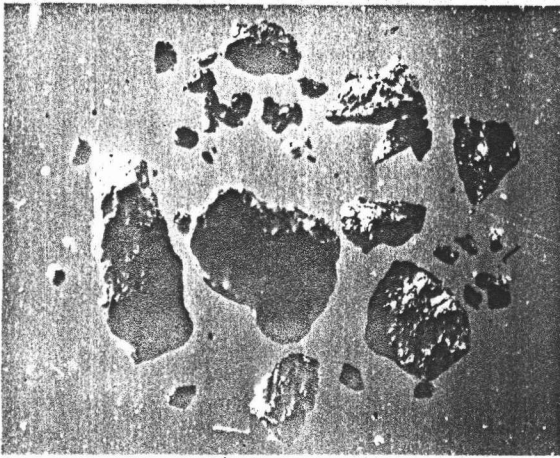
APPENDICES



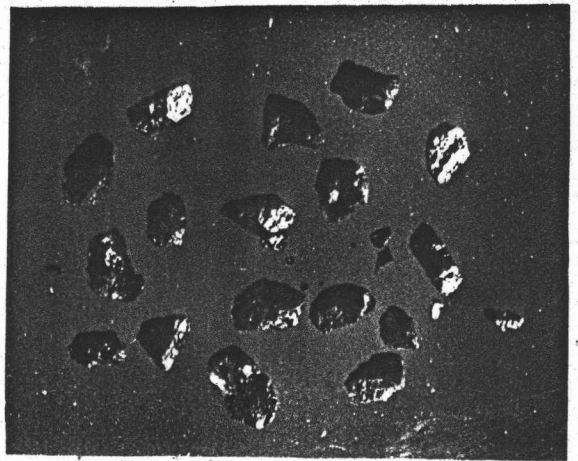
Tung Tong Mine (x 10)



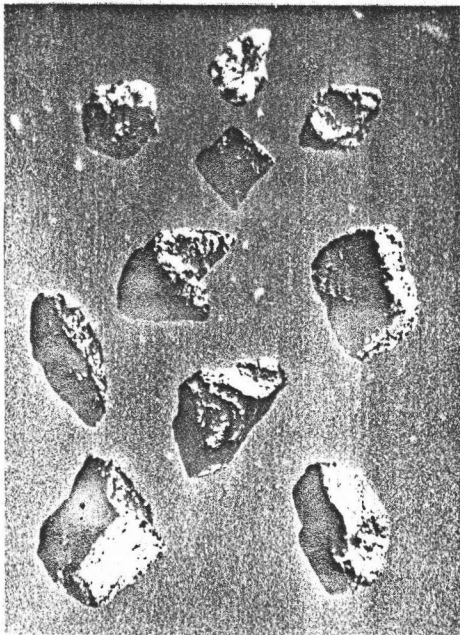
Tor Soong Mine (x 10)



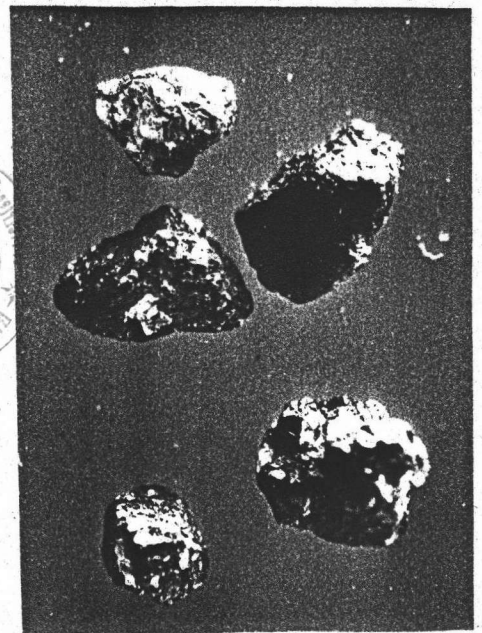
Pol Thavee Mine (x 10)



Pin Yoh Mine (x 10)

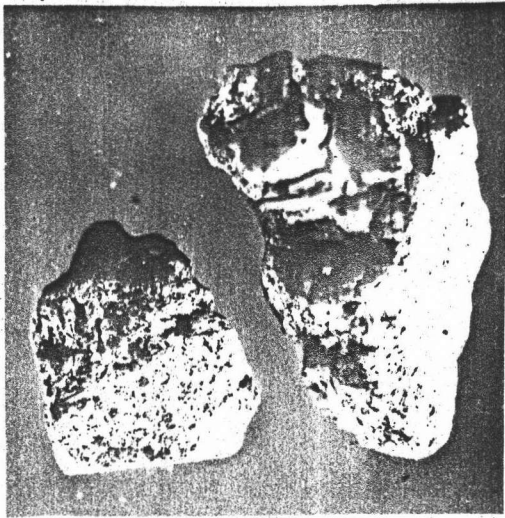


Tantikowit Mine (x 10)

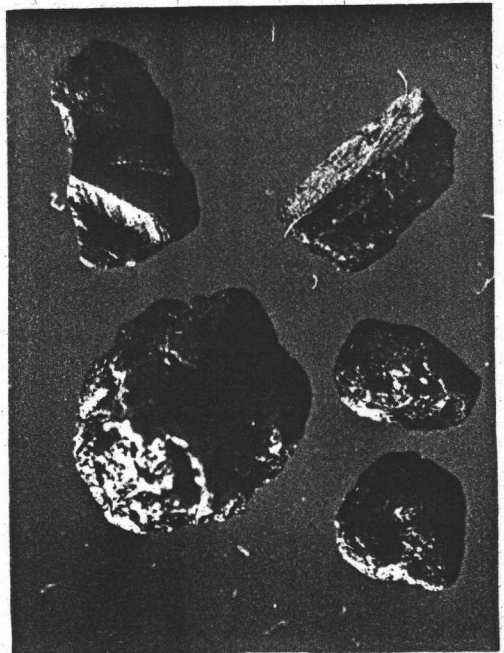


Ban Nguan Mine (x 10)

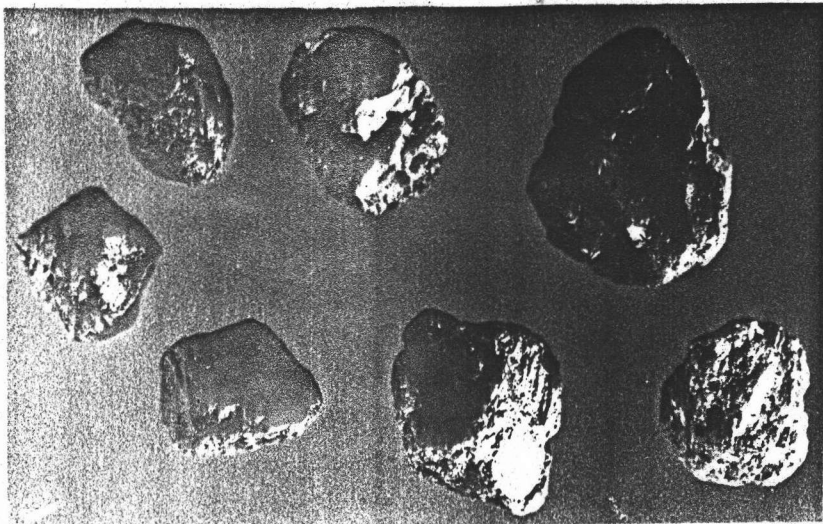
APPENDIX 1
 Photographs of cassitertite from several tin-
 mines within Kathu Valley.



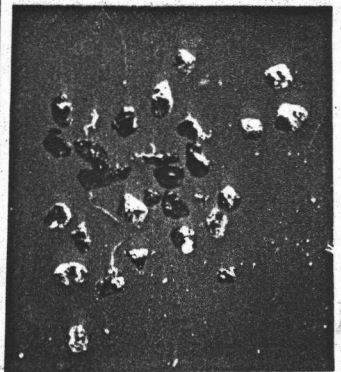
Tung Tong Mine (x 10)
(tinning test)



Ban Nguan Mine (x6)



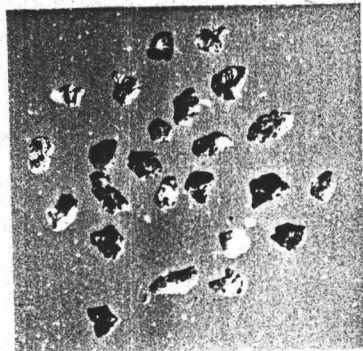
Pin Yoh Mine (x 6)



Ban Nguan Mine (x10)

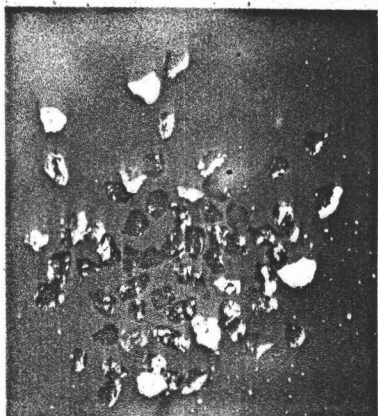


Kathu Mine (x 10)

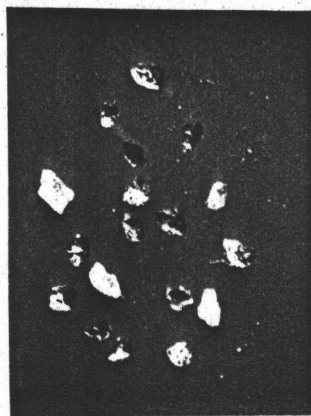


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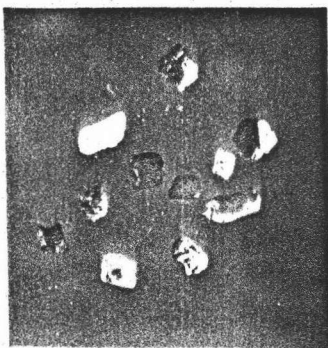
APPENDIX 1 (continued)
Photographs of cassiterite from several
tin-mines within Kathu Valley.



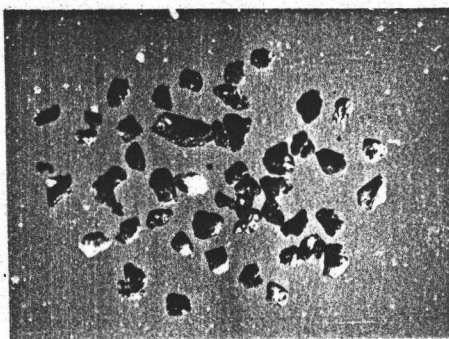
Lun Seng Mine (x 10)



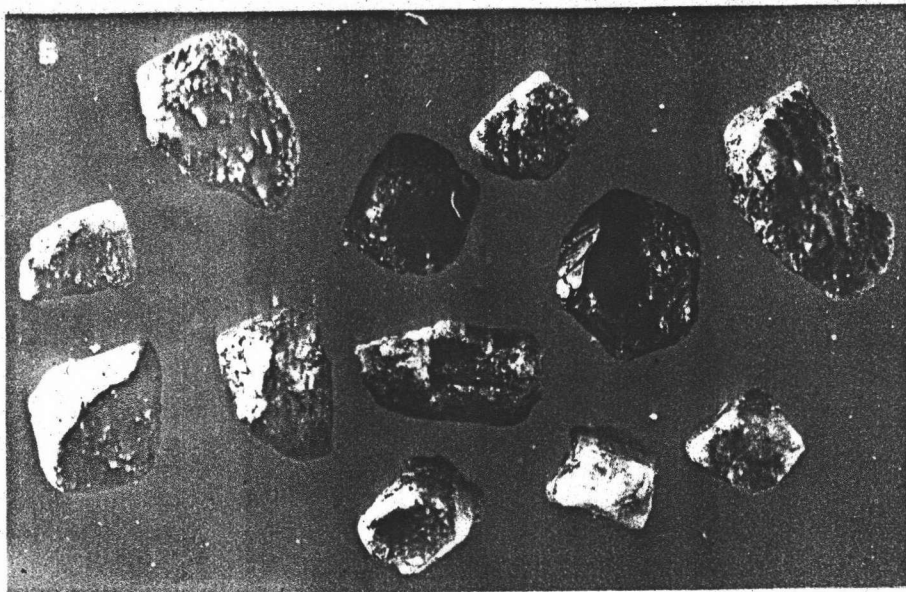
Sinpatana Mine (x 10)



Sapayakorn Mine (x 10)



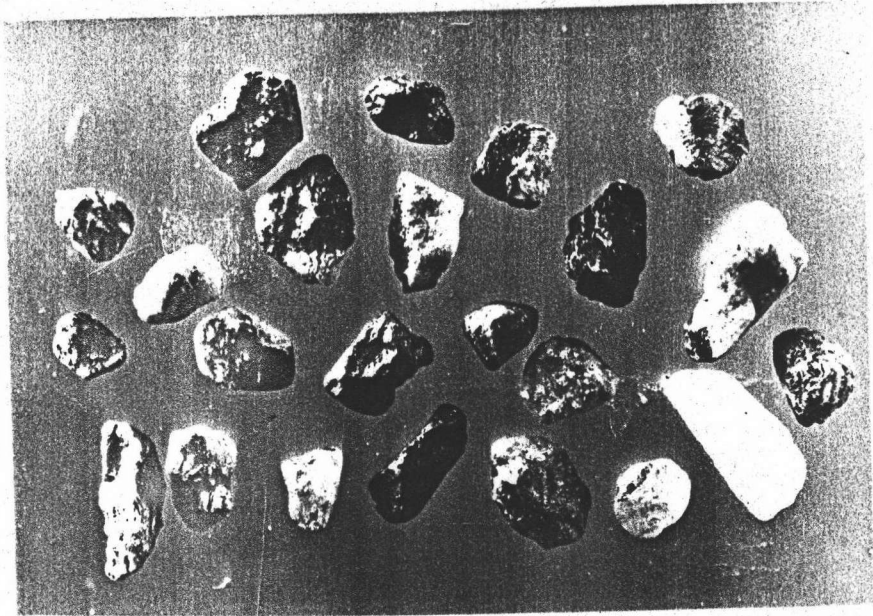
Chao Fah Mine (x 10)



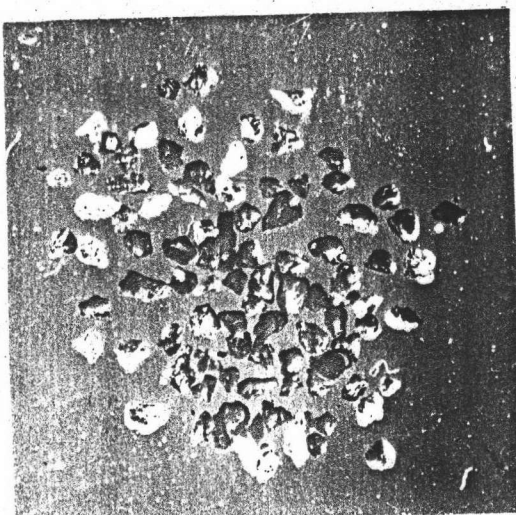
Sapayakorn Mine (x 10)

APPENDIX 2

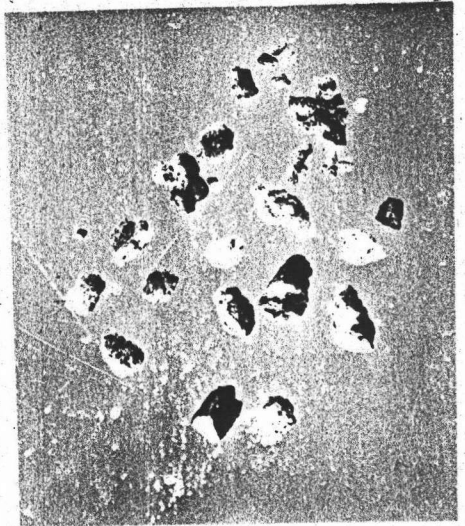
Photographs of cassiterite from several tin-mines outside Kathu Valley.



Sap Bangku Mine (x 10)

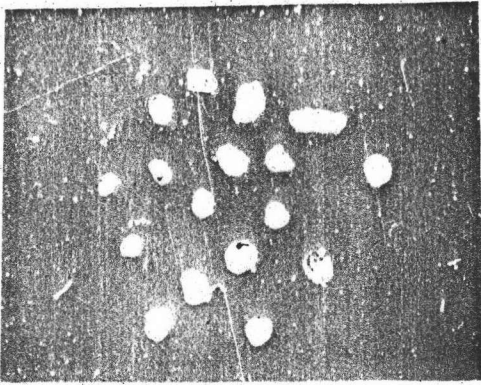


V.I.P. Mine (x 10)

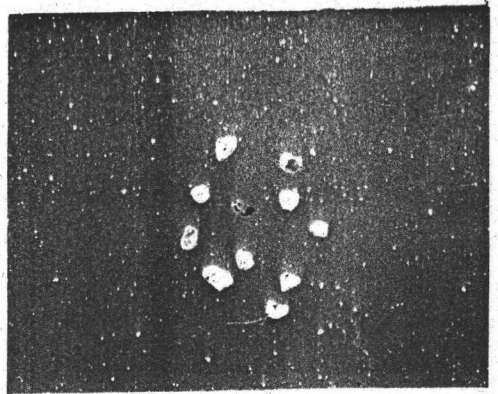


Sahakit Mine (x 10)

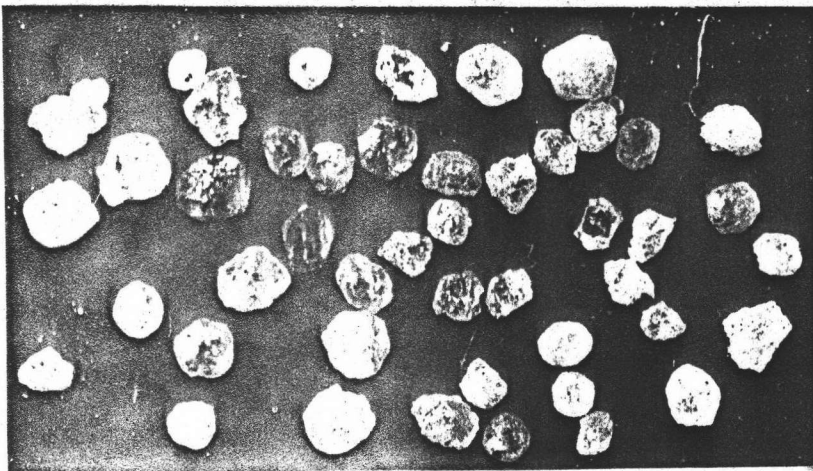
APPENDIX 2 (continued)
 Photographs of cassiterite from several tin-mines
 outside Kathu Valley.



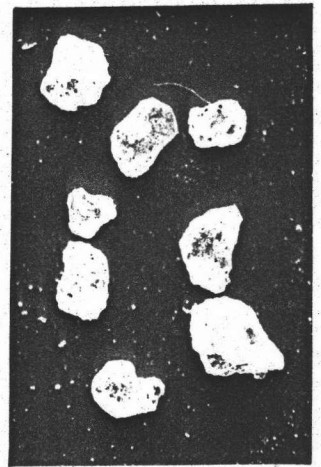
Monazite, xenotime (x 10)
Pol Thavee Mine



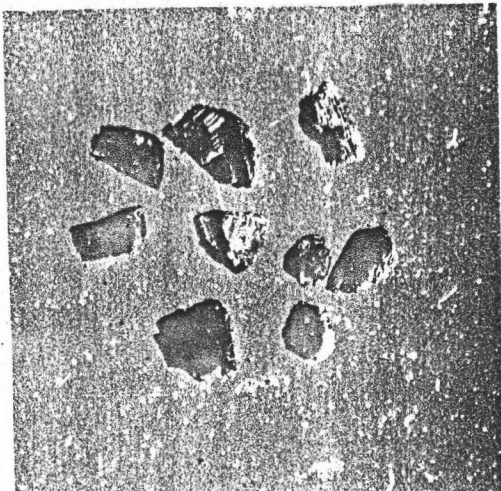
Spinel (x10) Tantikowit Mine



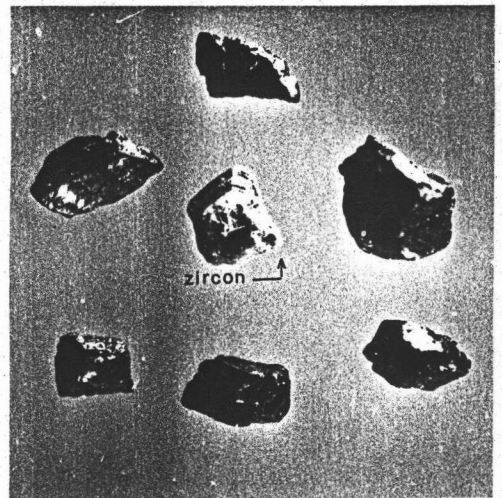
Garnet (x 10) Tor Soong Mine



Topaz (x 10)
Tor Soong Mine



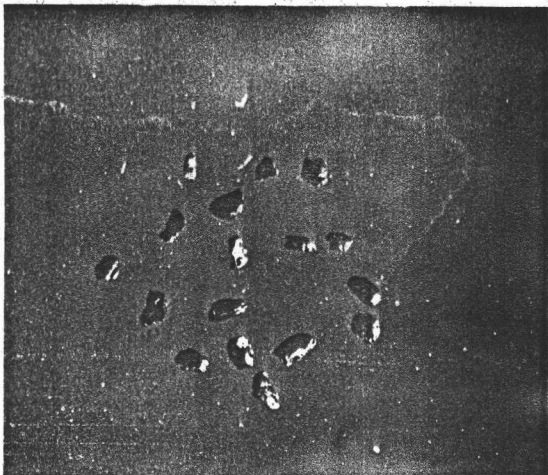
Wolframite(x 10) Tor Soong Mine



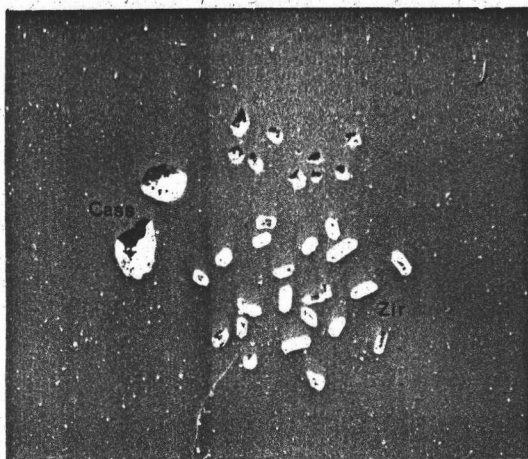
Rutile, Zircon(x 10) Kathu Mine

APPENDIX 3

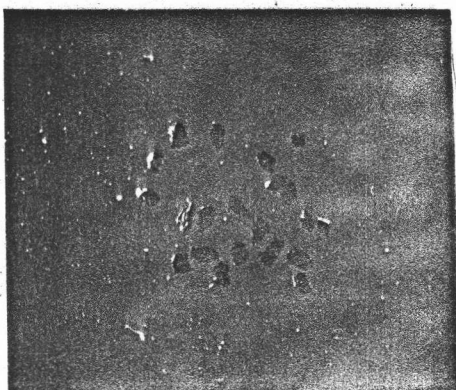
Photographs of heavy minerals (monazite, xenotime, spinel, garnet, topaz, wolframite, and rutile) from several tin-mines within Kathu Valley.



Ilmenite (x 10) Pin Yoh Mine



Cassiterite, Zircon (x 10)
Tung Tong Mine



Columbite-tantalite (x 10)
Pin Yoh Mine



Rounded zircon (x 10) Kathu Mine



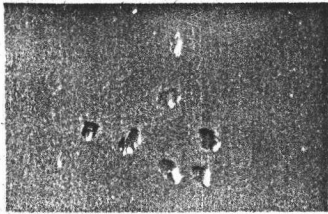
Columbite-tantalite(x10)
Tung Tong Mine



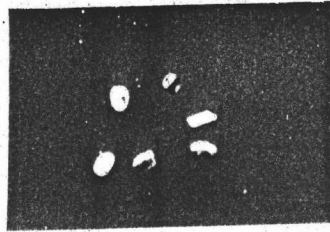
Zircon, Tourmaline (x 10) Pol Thavee Mine

APPENDIX 3 (continued)

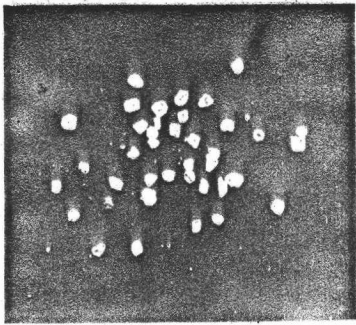
Photographs of heavy minerals (ilmenite, zircon, cassiterite, columbite-tantalite, tourmaline) from several tin-mines within Kathu Valley.



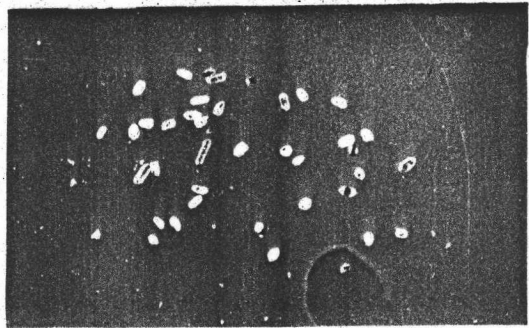
Struverite (x 10)
Lun Seng Mine



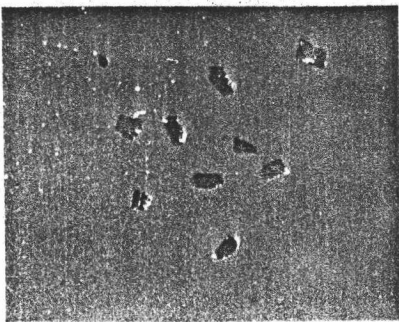
Rounded zircon (x 10)
Lun Seng Mine



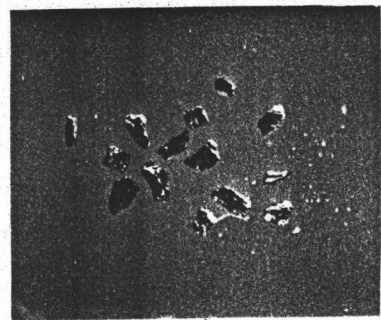
Spinel (x 10)
Sapayakorn Mine



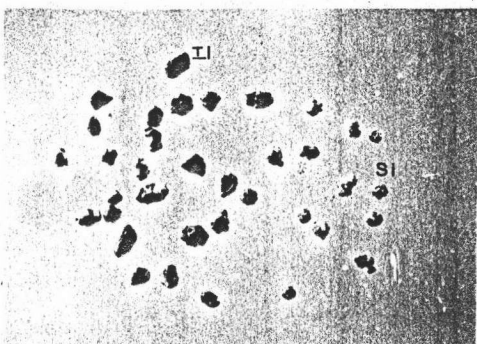
Zircon (x 10) Sap Bangku Mine



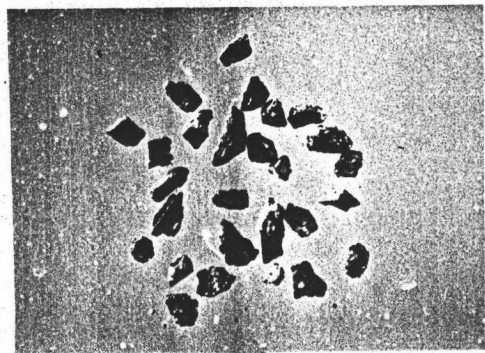
Mangan-tantalite (x 10)
Sinpatana Mine



Columbite-tantalite (x 10)
Sinpatana Mine



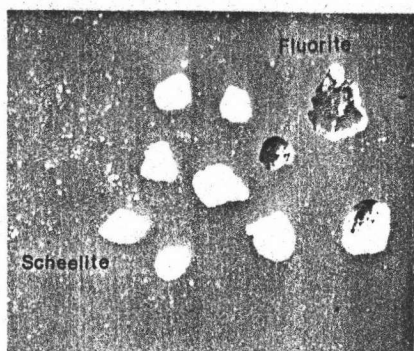
Ilmenite, Siderite (x 10)
Sap Bangku Mine



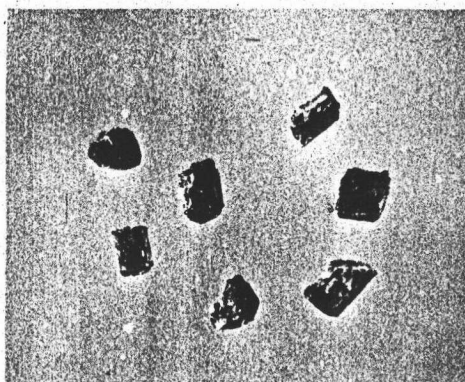
Wolframite (x 10) V.I.P. Mine

APPENDIX 4

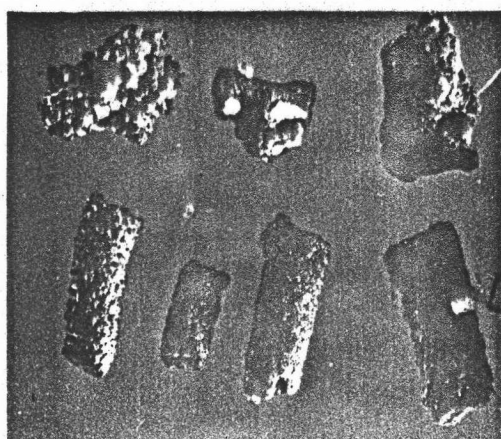
Photographs of heavy minerals (struverite, zircon, spinel, mangan-tantalite columbite-tantalite, ilmenite, siderite, and wolframite, from several tin-mines outside Kathu Valley.



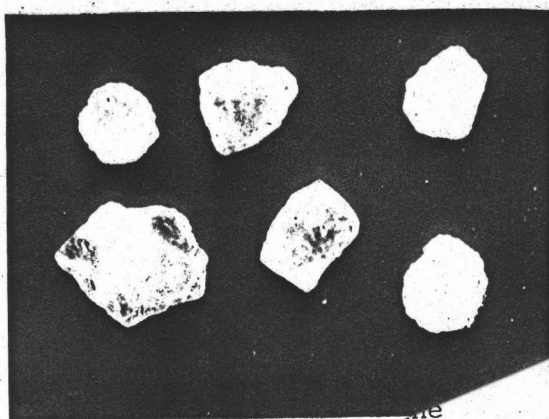
Scheelite, Fluorite (x 10)
Sahakit Mine



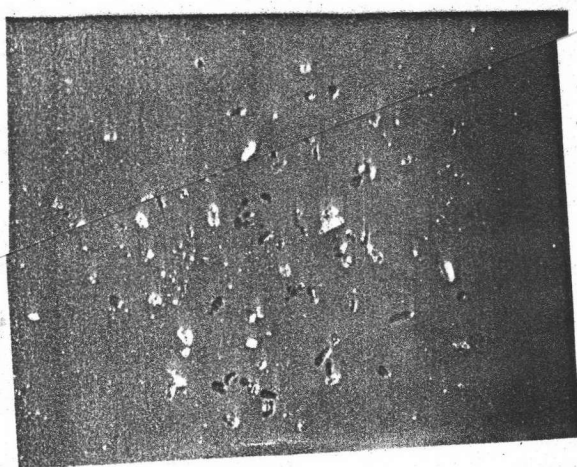
Tourmaline (x 10) Sahakit Mine



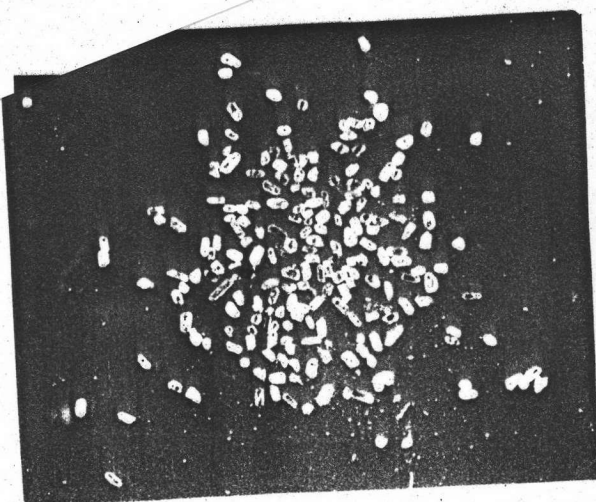
Altered pyrite (x 10)
Lun Seng Mine



Topaz (x 10) Lun Seng Mine



Thorite (x 10) Sapayakorn Mine



Zircon (x 10) Sapayakorn Mine

APPENDIX 4 (continued)
Photographs of heavy minerals (scheelite, fluorite,
tourmaline, altered pyrite, topaz, thorite, and
zircon) from several tin-mines outside Kathu Valley.

BIOGRAPHY

Ms. Wilawan Phetwaroon was born in Phuket, Southern part of Thailand on August 20, 1952. In 1972 she graduated with a B.Sc. degree in Geology from Chiang Mai University. After graduated she joined Royal Irrigation Department, worked as a geologist until 1974. At present she is attached to Physics Section, Geological Survey Division, Department of Mineral Resources, carries out the laboratory of rocks, minerals and gems identification.

